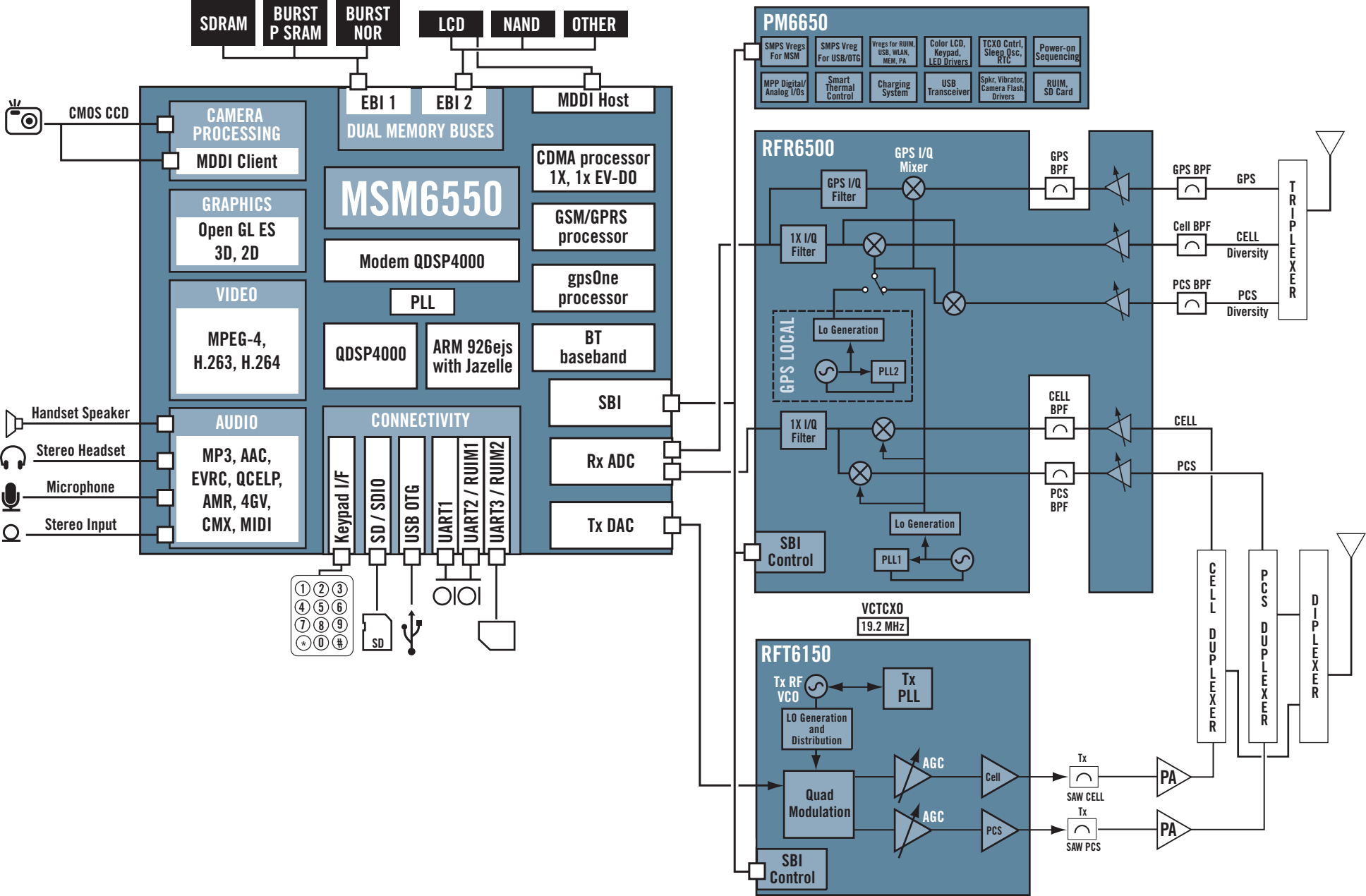
SDRAM
BURST P SRAM
BURST NOR
LCD
NAND
OTHER
EBI 1
EBI 2
DUAL MEMORY BUSES
MDDI Host
CMOS CCD
CAMERA PROCESSING
MDDI Client
GRAPHICS
Open GL ES 3D, 2D
VIDEO
MPEG-4, H.263, H.264
AUDIO
MP3, AAC, EVRC, QCELP, AMR, 4GV, CMX, MIDI
Handset Speaker
Stereo Headset
Microphone
Stereo Input
MSM6550
Modem QDSP4000
PLL
QDSP4000
ARM 926ejs with Jazelle
CDMA processor 1X, 1x EV-DO
GSM/GPRS processor
gpsOne processor
BT baseband
SBI
Rx ADC
Tx DAC
CONNECTIVITY
Keypad I/F
SD / SDIO
USB OTG
UART1
UART2 / RUIM1
UART3 / RUIM2
SD
PM6650
SMPS Vregs For MSM
SMPS Vreg For USB/OTG
Vregs for RUIM, USB, WLAN, MEM, PA
Color LCD, Keypad, LED Drivers
TCXO Cntrl, Sleep Osc, RTC
Power-on Sequencing
MPP Digital/ Analog I/Os
Smart Thermal Control
Charging System
USB Transceiver
Spkr, Vibrator, Camera Flash Drivers
RUIM, SD Card
RFR6500
GPS I/Q Mixer
GPS I/Q Filter
1X I/Q Filter
GPS LOCAL
Lo Generation
PLL2
1X I/Q Filter
Lo Generation
PLL1
SBI Control
GPS BPF
Cell BPF
PCS BPF
CELL BPF
PCS BPF
GPS
CELL Diversity
PCS Diversity
CELL
PCS
TRIPLEXER
VCTCXO 19.2 MHz
RFT6150
Tx RF VCO
Tx PLL
LO Generation and Distribution
Quad Modulation
AGC
AGC
Cell
PCS
SBI Control
Tx
SAW CELL
Tx
SAW PCS
PA
PA
CELL DUPLEXER
PCS DUPLEXER
DIPLEXER